



Stantec

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December 17, 2008
File: LV2008008

Kentucky Office of the 911 Coordinator/CMRS Board
200 Mero Street
Frankfort, KY 40622

Attention: Mr. Ralph Coldiron

Dear Mr. Coldiron:

**Reference: CMRS Geospatial Audit
Shelby County E911
501 Main Street Suite 1
Shelbyville, KY 40065**

The Geospatial Audit of Shelby County E911 located in Shelby County was conducted on 12/5/2008. Shelby County E911 provides wireless 9-1-1 service for Shelby County.

PSAP MAPPING SUMMARY

Information on the mapping solution employed by the PSAP was collected as part of the audit process, which includes the type of software and system, the vendor, the version and the layers being used at the time of the audit. In addition, this summary may include notes and observations taken while conducting the audit. 202 KAR 6:100 specifies the requirements of mapping software used in certified PSAPs. The software used by Shelby County E911 meets this requirement.

FIELD DATA TESTING

In accordance to the requirements of the Geospatial Audit, 20 random points for jurisdiction of the PSAP or for each county served by the PSAP were tested by collecting field GPS information and address information and comparing the results of plotting the two elements with the 9-1-1 solution employed by the PSAP. The result of this portion of the audit is that 30% of the points tested met the criteria of the Audit. Passing criteria is that 90% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 4.

WIRELESS 9-1-1 FUNCTION

In accordance to the requirements of the Geospatial Audit, 20 wireless 9-1-1 calls were documented for data, software, and mapping function. The result of this portion of the audit is that 100% of the calls documented met the criteria of the Audit. Passing criteria is that 66% of the points tested shall meet the criteria set forth in 202 KAR 6:100, Section 4, Paragraph 3.

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December 17, 2008
Mr. Ralph Coldiron
Page 2 of 2

Reference: CMRS Geospatial Audit

CONCLUSION

Mapping Component	<u>Meets audit criteria</u>
Field Data Component	<u>Does not meet audit criteria with</u> 30% of points tested meeting criteria
Wireless Data Component	<u>Meets audit criteria with</u> 100% of calls tested meeting criteria

Based on the results of the audit, Shelby County E911 does not meet the standards set by legislation and administrative regulation.

The detailed documentation of the audit with observations and recommendations is attached. The documentation is separated into a report of the software and data used by the PSAP with observations and recommendations; Field Data Report; and Wireless Data Report. Please note that supporting printouts and printed maps are included in the electronic copy of this report.

Sincerely,

Stantec Consulting Services Inc.

James B. Morse
GIS Project Manager
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Attachment: Report Details

c. Files

j v:\1756\active\175658008\gis\merged summary letter.doc

PSAP Mapping Component Summary

PSAP Name Shelby County E911

Address 501 Main Street Suite 1

Audit Date 12/5/2008

City Shelbyville

Audit Personnel MCCORMICKS

Contact Cayla Flannery

Contact Title Director

Software	Version	Vendor
POWERMAP	32SP HF1	POSITRON

Mapping Layers Used

Road Centerlines: ☒

Point Addresses: ☒

Ortho Photography: ☐

Other Layers: ☒ **Type of 'other' layers used by PSAP:**

2nd road layer (appears to be the KYTC road centerlines without address ranges) , schools (point file), streams, railroad, wetlands and bodies of water, fire department areas, land use, school districts, ESN

Notes and Observations:

Observations and comments - (1) This PSAP was used in May of 2008 to test our process method. Since that test the PSAP has updated some of the data in the map and has begun to establish structure addresses. Unfortunately none of the Lat/Long address randomly selected by the audit process had been mapped.

The map was last updated on 12/6/08, the frequency of updates is weekly. The dat for the map is supplied by Planning ans Zoning Department and the data is installed in the map by the 911 Director - Cayla Flannery

The data from the map and the wireless calls were obtained by Sherry Allen